

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Uchida et al.
SERIAL NUMBER: 10/649,234 EXAMINER : Robert Clinton Hayes
FILING DATE: August 27, 2003 ART UNIT : 1649
FOR: ENRICHED CENTRAL NERVOUS SYSTEM STEM CELL AND
PROGENITOR CELL POPULATIONS, AND METHODS FOR
IDENTIFYING, ISOLATING AND ENRICHING FOR SUCH
POPULATIONS

MAIL STOP RCE

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449, as well as copies of the listed documents.

This Supplemental Information Disclosure Statement is being filed concurrently with a Request for Continued Examination. Accordingly, no fee or certification is believed required. By the waiver of 37 CFR 1.98(a)(2)(ii) copies of the U.S. Patents A4-A9 and U.S. Published Application A10 are not submitted.

It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and sign the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Supplemental Information Disclosure Statement, the Applicants make no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by

APPLICANT: Uchida et al.
U.S.S.N.: 10/649,234


35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested.

Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 17810-518 UTIL.

Respectfully submitted,

Dated: August 13, 2007


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Attorney Docket No.: 17810-518

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Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number		10/649,234	
				Filing Date		August 27, 2003	
				First Named Inventor		Uchida	
				Group Art Unit		1649	
				Examiner Name		Robert Clinton Hayes	
				Attorney Docket Number		17810-518	
U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	*A4	4,683,195	07/28/87	Mullis et al.	435	6	
	*A5	4,683,202	07/28/87	Mullis	435	91	
	*A6	5,750,376	05/12/98	Weiss et al.	435	69.52	
	*A7	5,753,506	05/19/98	Johe	435	377	
	*A8	5,843,633	12/01/98	Yin et al.	435	2	
	*A9	5,851,832	12/22/98	Weiss et al.	435	368	
U.S. PUBLISHED APPLICATION DOCUMENTS							
Exam Initials	Cite No.	U.S. Published Application No.	Published Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	*A10	US2001/0051372 A1	12/13/01	Yin et al	435	325	
FOREIGN PATENT DOCUMENTS							
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No		
	B3	WO 90/07380	MILTENYI, Stefan	07/12/90			
	B4	WO 96/26782	MILTENYI BIOTECH, INC.	09/06/96			
	B5	EP 0 438 520 B1	BAXTER INTERNATIONAL INC.	07/31/91			
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS							
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.					
	C62	Accession Number NM_002033, March 24, 1999.					
	C63	Akashi et al., "A Clonogenic Common Myeloid Progenitor that Gives Rise to All Myeloid Lineages", <i>Nature</i> , 404:193-197 (2000)					
	C64	Corbeil et al., "AC133 Hematopoietic Stem Cell Antigen: Human Homologue of Mouse Kidney Prominin or Distinct Member of a Novel Protein Family?", <i>Blood</i> , 91(7):2625-2626 (1998)					
	C65	Corbeil et al., "Selective Localization Of The Polytopic Membrane Protein Prominin In Microvilli Of Epithelial Cells - A Combination Of Apical Sorting And Retention In Plasma Membrane Protrusions", <i>J. Cell Sci.</i> , 112(Pt. 7):1023-1033 (1999)					

C66	Jost et al., "Mammalian Expression and Secretion of Functional Single-chain Fv Molecules", <i>J. Biol. Chem.</i> , 269(42):26267-26273 (1994)
C67	Kabat et al., "Sequences of Proteins of Immunological Interest", Vol. I, Fifth Edition, U.S. Department of Health and Human Services, pages 1-44 (1991)
C68	Lendahl et al., "CNS Stem Cells Express a New Class of Intermediate Filament Protein", <i>Cell</i> , 60:585-595 (1990)
C69	Liu et al., "Chimeric Mouse-Human IgG1 Antibody that Can Mediate Lysis of Cancer Cells", <i>Proc. Natl. Acad. Sci. USA</i> , 84:3439-3443 (1987)
C70	Liu et al., "Production Of A Mouse-Human Chimeric Monoclonal Antibody To CD20 With Potent Fc-Dependent Biologic Activity", <i>J. Immunol.</i> , 139(10):3521-3526 (1987)
C71	Miraglia et al., "A Response to AC133 Hematopoietic Stem Cell Antigen: Human Homologue of Mouse Kidney Prominin or Distinct Member of a Novel Protein Family?", <i>Blood</i> , 91(11):4390-4391 (1988)
C72	Simmons et al., "Molecular Cloning of a cDNA Encoding CD34, a Sialomucin of Human Hematopoietic Stem Cells", <i>J. Immunol.</i> , 148(1):267-271 (1992)
C73	Tamura et al., "Epithelial Integrin $\alpha_6\beta_4$: Complete Primary Structure of α_6 and Variant Forms of β_4 ", <i>J. Cell Biol.</i> , 111:1593-1604 (1990)
C74	Weigmann et al., "Prominin, A Novel Microvilli-Specific Polytopic Membrane Protein Of The Apical Surface Of Epithelial Cells, Is Targeted To Plasmalemmal Protrusions Of Non-Epithelial Cells", <i>Proc. Natl. Acad. Sci. USA</i> , 94(23):12425-12430 (1997)

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.